

**ABSTRACT OF THE DISCLOSURE**

A method and a device for sealing a void incompletely filled with a castable material, in which an expandable  
5 material is placed in the void which is to be filled with the castable material, the expandable material expanding into spaces which are not filled with cast material. A method of sealing an annulus in a borehole includes the steps of: positioning an expandable material on a tubular  
10 structure; installing the tubular structure in the borehole, the annulus being formed between the tubular structure and the borehole; flowing a castable material into the annulus, the castable material partially displacing a fluid in the annulus, but leaving at least one  
15 space containing the fluid in the annulus; and expanding the expandable material into the space.